

<p>88-116706/17 E19 C04 LIOY 05.09.86 LION CORP *J6 3063-799-A 05.09.86-JP-208969-(22.03.88) C11d-01/72 C11d-07/50 C11d-10/12 Emulsifier compsn. for dry-cleaning solvent - comprises polyoxyethylene nonionic activator and e.g. carboxylic acid cpd. for highly stable water emulsion C88-052625</p>	<p>E(5-B, 5-G9D, 10-A9B7, 10-A9Bt, 10-C4C, 10-C4L, 10-E4K, 10-E4M3) G(4-B8)</p>
<p>A new emulsifier compsn. for dry-cleaning solvents contains (A) 5-70 wt. % of a nonionic activator of formula (I) and (B) one or more cpds. of formulae (II) to (V) with a (B)/(A) ratio of 0.05-0.7.</p> <div style="display: flex; justify-content: space-around; margin-top: 20px;"> <div data-bbox="245 354 610 415"> <math display="block">R_1-O-\overset{\overset{R_2}{ }}{\underset{\underset{n_1}{ }}{CH_2CHO}}-H \quad (I)</math> </div> <div data-bbox="245 434 610 501"> <math display="block">R_3-COO-\overset{\overset{R_4}{ }}{\underset{\underset{n_2}{ }}{CH_2CHO}}-H \quad (II)</math> </div> <div data-bbox="245 520 610 562"> <math display="block">R_5-COOM_1 \quad (III)</math> </div> <div data-bbox="513 501 768 592"> <math display="block">\begin{matrix} R_6 \\ R_7 \end{matrix} \begin{matrix} \diagup \\ \diagdown \end{matrix} X-SO_3M_2 \quad (IV)</math> </div> </div>	<div style="display: flex; justify-content: space-around; margin-top: 20px;"> <div data-bbox="841 287 963 394">  (i)         </div> <div data-bbox="1109 323 1377 501"> <math display="block">\begin{matrix} O \\    \\ -O-C-CH- \\   \\ O-C-CH_2 \\    \\ O \end{matrix} \quad (ii)</math> </div> </div> <p style="margin-top: 20px;"> <math>R_1 = 8-20C</math> alkyl or alkenyl gp. or <math>(8-20C</math> alkyl gp.)-substd. phenyl gp.;  <math>n_1 = 2-20</math>;         </p>

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<p><math>R_2 = H</math> or <math>CH_3</math>; <math>R_3 = 8-20C</math> alkyl or alkenyl gp. or <math>(8-20C</math> alkyl gp.)-substd. phenyl gp.; <math>n_2 = 2-20</math> <math>R_4 = H</math> or <math>CH_3</math>; <math>R_5 = 8-20C</math> alkyl or alkenyl or <math>(8-20C</math> alkyl)-substd. phenyl; <math>M_1 = Ca, Al</math> or <math>Mg</math>; <math>X = (i)</math> or <math>(ii)</math>; <math>R_6, R_7 = H</math> or <math>8-22C</math> alkyl or alkenyl (they may be same of different but they are not both H) <math>M_2 = alkali(ine earth) metal</math>; <math>R_8 = 8-20C</math> alkyl or alkenyl; <math>n_3 = 0-10</math>; <math>X_1, Y_1 = OM_1</math> or <math>-(OCH_2CH_2)_{n_3}-OR_8</math> and <math>M_3 = H</math> or alkali(ine earth) metal.</p> <p><b>USE/ADVANTAGE</b> The compsn. gives a highly stable water-solvent emulsion. It prevents resoiling and gives good flexibility to wool, cotton, flex, etc. (6ppDwgNo0/0).</p>	
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